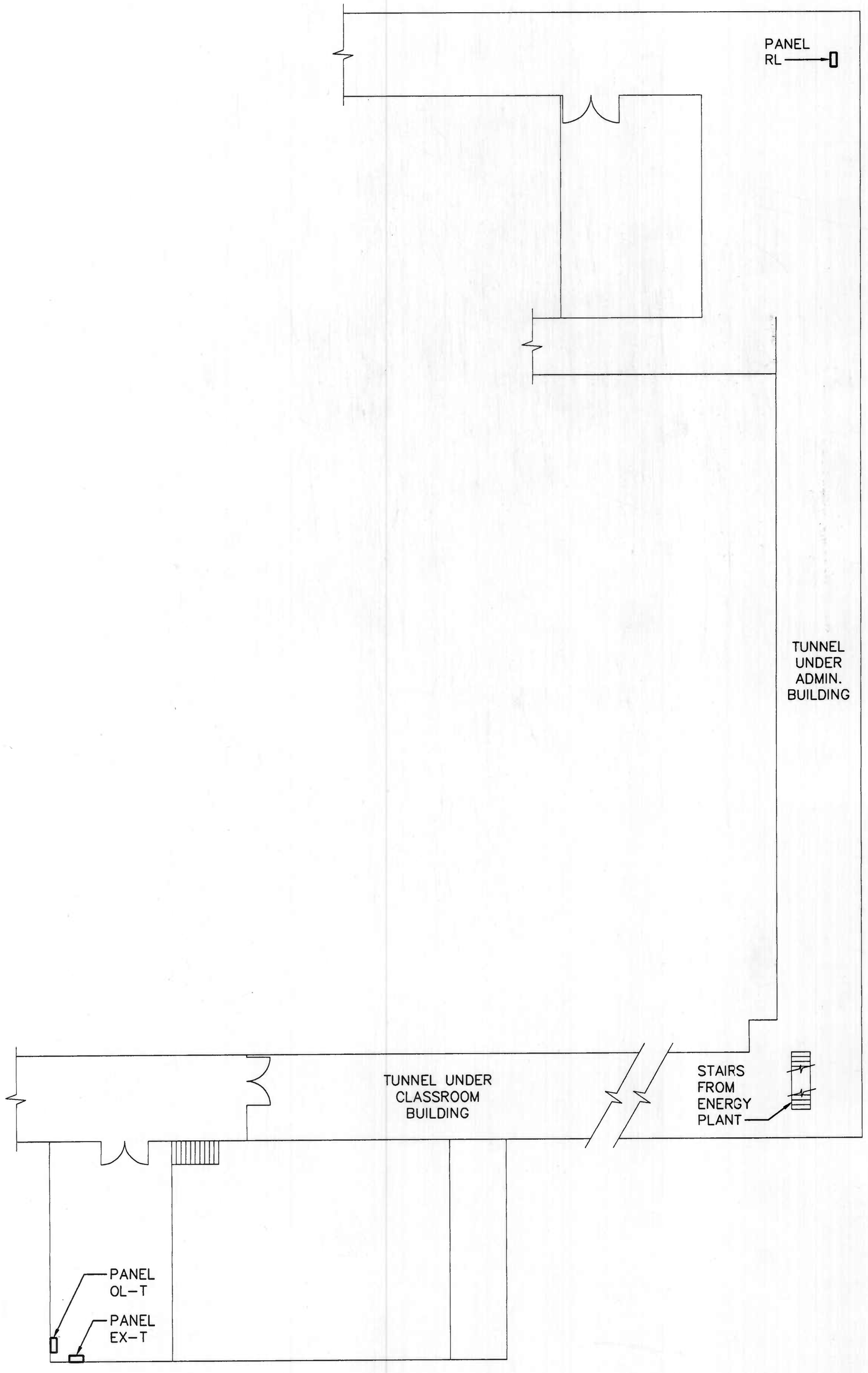

TUNNEL – FLOOR PLAN – ELECTRICAL

SCALE: 1/8"=1'–0"

EX PANEL SCHEDULE – PANEL OL–T

120/208 VOLTS, 3 PHASE, 4 WIRE, 60 AMP MAINS, MLO

ENCLOSURE – 42"H x 15–3/4"W x 5"D, MAIN LUGS AT BOTTOM

CIR	STATUS	BREAKER POLE	BREAKER TRIP	CIR	STATUS	BREAKER POLE	BREAKER TRIP
1	SPARE	1	20	2	ACTIVE	1	20
3	ACTIVE	1	20	4	ACTIVE	1	20
5	SPARE	1	20	6	ACTIVE	1	20
7	SPARE	1	20	8	ACTIVE	1	20
9	ACTIVE	1	20	10	SPARE	1	20
11	ACTIVE	1	20	12	ACTIVE	1	20
13	ACTIVE	1	20	14	ACTIVE	1	20
15	ACTIVE	1	20	16	ACTIVE	1	20
17	SPACE AND BUS	1	–	18	SPACE AND BUS	1	–
19	SPACE AND BUS	1	–	20	SPACE AND BUS	1	–
21	SPACE AND BUS	1	–	22	SPACE AND BUS	1	–
23	SPACE AND BUS	1	–	24	SPACE AND BUS	1	–

3 POLE, 75 AMP LIGHTING CONTACTOR

THERE ARE PRESENTLY 2 – #12 WIRES CONNECTED AHEAD OF THE CONTACTOR TO THE MAIN LUGS OF THE PANEL. THESE WIRES SHALL BE TRANSFERRED TO CIRCUITS 25 & 27 IN THE REPLACEMENT PANEL.

PROPOSED PANEL SCHED – PANEL OL–T

120/208 VOLTS, 3 PHASE, 4 WIRE, 60 AMP MAINS, MLO

ENCLOSURE – 42"H x 15–3/4"W x 5"D, MAIN LUGS AT BOTTOM

CIR	STATUS	BREAKER POLE	BREAKER TRIP	CIR	STATUS	BREAKER POLE	BREAKER TRIP
1	SPARE	1	20	2	ACTIVE	1	20
3	ACTIVE	1	20	4	ACTIVE	1	20
5	SPARE	1	20	6	ACTIVE	1	20
7	SPARE	1	20	8	ACTIVE	1	20
9	ACTIVE	1	20	10	SPARE	1	20
11	ACTIVE	1	20	12	ACTIVE	1	20
13	ACTIVE	1	20	14	ACTIVE	1	20
15	ACTIVE	1	20	16	ACTIVE	1	20
17	SPACE AND BUS	1	–	18	SPACE AND BUS	1	–
19	SPACE AND BUS	1	–	20	SPACE AND BUS	1	–
21	SPACE AND BUS	1	–	22	SPACE AND BUS	1	–
23	SPACE AND BUS	1	–	24	SPACE AND BUS	1	–
3 POLE, 60 AMP LIGHTING CONTACTOR – CONTROLS TOP SECTION OF PANEL							
25	ACTIVE	1	20	26	SPARE	1	20
27	ACTIVE	1	20	28	SPARE	1	20
29	SPACE AND BUS	1	–	30	SPACE AND BUS	1	–

EX PANEL SCHEDULE – PANEL RL

120/208 VOLTS, 3 PHASE, 4 WIRE, 75 AMP MAINS, MLO

ENCLOSURE – 42"H x 16"W x 6"D, MAIN LUGS AT TOP

CIR	STATUS	BREAKER POLE	BREAKER TRIP	CIR	STATUS	BREAKER POLE	BREAKER TRIP
3 POLE, 75 AMP LIGHTING CONTACTOR							
1	ACTIVE	1	20	2	ACTIVE	1	20
3	ACTIVE	1	20	4	SPARE	1	20
5	ACTIVE	1	20	6	ACTIVE	1	20
7	ACTIVE	1	20	8	SPACE AND BUS	1	–
9	ACTIVE	1	20	10	SPACE AND BUS	1	–
11	ACTIVE	1	20	12	SPACE AND BUS	1	–
13	ACTIVE	1	20	14	SPACE AND BUS	1	–
15	ACTIVE	1	20	16	SPACE AND BUS	1	–
17	ACTIVE	1	20	18	SPACE AND BUS	1	–
19	ACTIVE	1	20	20	SPACE AND BUS	1	–
21	SPARE	1	20	22	SPACE AND BUS	1	–
23	SPARE	1	20	24	SPACE AND BUS	1	–

THE MAIN LUGS OF THE PANEL ARE TAPPED AHEAD OF THE CONTACTOR WITH 3 – #12. TWO OF THE #12 WIRES SUPPLY A 2 POLE, 20 AMP ENCLOSED CIRCUIT BREAKER AND 1 – #12 SUPPLIES A SINGLE POLE, 20 AMP ENCLOSED CIRCUIT BREAKER. BOTH CIRCUIT BREAKERS ARE LOCATED TO THE LEFT OF THE PANEL. ALSO, THE 2 POLE, 20 AMP CIRCUIT BREAKER IS TAPPED AND SUPPLIES AN EMERGENCY LIGHT TO THE RIGHT OF THE PANEL.

PROPOSED PANEL SCHEDULE – PANEL RL

120/208 VOLTS, 3 PHASE, 4 WIRE, 75 AMP MAINS, MLO

ENCLOSURE – 42"H x 16"W x 6"D, MAIN LUGS AT TOP

CIR	STATUS	BREAKER POLE	BREAKER TRIP	CIR	STATUS	BREAKER POLE	BREAKER TRIP
1, 3	* ACTIVE	2	20	2, 4, 6	MAIN BREAKER	3	50
5	** ACTIVE	1	20				
7	SPACE AND BUS	1	–	8	SPACE AND BUS	1	–
3 POLE, 60 AMP LIGHTING CONTACTOR							
9	ACTIVE	1	20	10	ACTIVE	1	20
11	ACTIVE	1	20	12	SPARE	1	20
13	ACTIVE	1	20	14	ACTIVE	1	20
15	ACTIVE	1	20	16	SPARE	1	20
17	ACTIVE	1	20	18	SPARE	1	20
19	ACTIVE	1	20	20	SPACE AND BUS	1	–
21	ACTIVE	1	20	22	SPACE AND BUS	1	–
23	ACTIVE	1	20	24	SPACE AND BUS	1	–
25	ACTIVE	1	20	26	SPACE AND BUS	1	–
27	ACTIVE	1	20	28	SPACE AND BUS	1	–

* THE 2 – #12 WIRE PRESENTLY CONNECTED TO THE MAIN LUGS OF THE PANEL AND SUPPLYING A 2 POLE, 20 AMP ENCLOSED CIRCUIT BREAKER SHALL BE CONNECTED TO THIS BREAKER.

** THE 1 – #12 WIRE PRESENTLY CONNECTED TO THE MAIN LUGS OF THE PANEL AND SUPPLYING A SINGLE POLE, 20 AMP ENCLOSED CIRCUIT BREAKER SHALL BE CONNECTED TO THIS BREAKER.

EX & PROPOSED PNL SCH – PANEL EX–T

120/208 VOLTS, 3 PHASE, 4 WIRE, 100 AMP MAINS, MLO

ENCLOSURE – 24"H x 20"W x 5–1/2"D, MAIN LUGS AT TOP

CIR	STATUS	BREAKER POLE	BREAKER TRIP	CIR	STATUS	BREAKER POLE	BREAKER TRIP
1	ACTIVE	1	20	2	ACTIVE	1	20
3	ACTIVE	1	20	4	ACTIVE	1	20
5	ACTIVE	1	20	6	ACTIVE	1	20
7	ACTIVE	1	20	8	ACTIVE	1	20
9	SPACE AND BUS	1	–	10	SPACE AND BUS	1	–
11	SPACE AND BUS	1	–	12	SPACE AND BUS	1	–

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ELECTRICAL SYSTEM STUDY AND REDESIGN

REVISIONS		
NO	DATE	DESCRIPTION

SHEET TITLE: TUNNEL – FLOOR PLAN AND PANEL SCHEDULES

DESIGNED WCF	CHECKED MLB
DRAWN JCW	APPROVED POD

FILE NO. 99037
DATE: OCT 25, 99
FINAL SUBMISSION

DRAWING NO. E-5 OF 7

D–018020

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